

Claims

1. Method of producing an agglomerated, free-flowing product of isomaltulose, isomalt and/or an isomalt variant, wherein a solution or suspension containing isomaltulose, isomalt or an isomalt variant is sprayed with a supply of dry air into a powder of isomaltulose, isomalt and/or an isomalt variant, and the resulting agglomerated product is subjected to a secondary drying and cooling, and an agglomerated free-flowing product is obtained.
2. Method according to Claim 1, wherein secondary crystallization takes place following cooling of the secondary dried product.
3. Method according to Claim 1 or 2, wherein at least a portion of the resulting agglomerated free-flowing product is ground following the cooling or secondary crystallization.
4. Method according to Claim 3, wherein a portion of the ground powder is introduced back into the process according to Claim 1, 2 or 3 in the form of an educt.
5. Method according to one of the preceding claims, wherein the solution or suspension containing the isomaltulose, isomalt and/or isomalt variants has a dry solids content of 30 wt% to 70 wt%.
6. Method according to one of the preceding claims, wherein the solution or suspension containing the isomaltulose, isomalt and/or isomalt variants has a temperature of 50 °Celsius to 90 °Celsius.
7. Method according to one of the preceding claims, wherein the solution or suspension containing the isomalt, isomaltulose

and/or isomalt variant is sprayed into the powder at a spray pressure of 100 bar to 200 bar.

8. Method according to one of the preceding claims, wherein the powder has a particle size of 50  $\mu\text{m}$  to 400  $\mu\text{m}$ .

9. Method according to one of the preceding claims, wherein the quantity ratio of powder to educt solution or suspension amounts to 1:1 to 3.5:1.

10. Method according to one of the preceding claims, wherein the drying air has a temperature of 120 °Celsius to 180 °Celsius.

11. Method according to one of the preceding claims, wherein the secondary drying and cooling take place with a supply of air at a temperature of 20 °Celsius to 80 °Celsius.

12. Method according to one of the preceding claims, wherein the secondary drying and cooling take place over a period of 10 to 30 minutes.

13. Method according to one of the preceding claims, wherein the secondary crystallization takes place over a period of one to four hours.

14. Method according to one of the preceding claims, wherein the solution or suspension containing the isomaltulose, isomalt or an isomalt variant together with additives, auxiliary substances, active ingredients, parting compounds, lubricants, flavorings, sweeteners, food-compatible acids, disintegrants or coloring agents is spray dried.

15. Agglomerate producible according to one of the methods of the preceding claims.

*Reject  
too  
broad  
|  
No  
specificity*

16. Method of producing a compressed product, wherein a method is carried out according to one of Claims 1 to 14, and the resulting agglomerate is pressed to form a compressed product.

17. Method according to Claim 16, wherein additives, auxiliary substances, active ingredients, parting compounds, lubricants, flavorings, sweeteners, food-compatible acids, disintegrants or coloring agents are added to the agglomerate before pressing.

18. Compressed product producible according to one of the methods of Claims 16 or 17.